

LISTING OF THE CLAIMS

The following listing, if entered, replaces all prior versions of the claims in the present application.

1. (Previously Presented) A system comprising:
a computer readable storage medium comprising program instructions executable to implement a virtual device interface, wherein
said virtual device interface is configured to allow a primary storage device to be accessed using at least one operation that is substantially the same as that used to control a secondary storage device, wherein the primary storage device is accessed using said at least one operation in response to a call received from a utility by said virtual device interface,
said virtual device interface is coupled to control said primary storage device and said secondary storage device,
said primary storage device comprises non-removable storage media and is configured to provide access to data stored on the non-removable storage media, and
said secondary storage device comprises removable storage media and is configured to permit access to data stored on the removable storage media.
2. (Previously Presented) The system of claim 1, wherein
said virtual device interface is further configured to allow the utility to access said primary storage device as said secondary storage device.
3. (Previously Presented) The system of claim 1, wherein
said virtual device interface is a virtual tape interface.
4. (Previously Presented) The system of claim 3, further comprising
said primary storage device.

5. (Previously Presented) The system of claim 4, wherein said virtual tape interface is configured to create a virtual loader on said primary storage device.
6. (Previously Presented) The system of claim 4, further comprising: said secondary storage device.
7. (Previously Presented) The system of claim 4, wherein said virtual tape interface comprises:
 - a virtual loader library, communicatively coupled to said primary storage device;
 - and
 - a virtual loader utilities module, communicatively coupled to said virtual loader library.
8. (Previously Presented) The system of claim 7, wherein said virtual tape interface further comprises:
 - a main module, communicatively coupled to said virtual loader library; and
 - a configuration file, accessible by said main module, wherein said configuration file comprises information that allows said virtual loader library to create a virtual loader on said primary storage device.
9. (Previously Presented) The system of claim 7, wherein said virtual loader library is configured to allow the utility to access said primary storage device as said secondary storage device.
10. (Previously Presented) A method comprising:
 - receiving a first command at a virtual device interface, wherein the first command is received from a utility;
 - converting the first command to a second command using the virtual device interface, wherein
 - said first command is configured to control a first type of storage device,
 - said second command is configured to control a second type of storage device,

said first type of storage device is a secondary storage device,
said second type of storage device is a primary storage device,
said primary storage device comprises non-removable storage media and
is configured to provide access to data stored on the non-
removable storage media, and
said secondary storage device comprises removable storage media and is
configured to permit access to data stored on the removable storage
media; and
accessing said secondary storage device using the virtual device interface.

11. (Previously Presented) The method of claim 10, wherein
said secondary storage device is a tape backup device, and
said primary storage device is a hard drive.

12. (Previously Presented) The method of claim 11, further comprising:
creating a virtual loader, wherein
said converting and said creating are performed by said virtual device
interface.

13. (Original) The method of claim 12, wherein
said creating creates a directory on said hard drive.

14. (Original) The method of claim 13, further comprising:
storing information on a virtual tape in said virtual loader, wherein
said storing stores information in a file in said directory, and
said file corresponds to said virtual tape.

15. (Previously Presented) The method of claim 12, wherein said secondary
storage device is communicatively coupled to said virtual device interface.

16. (Previously Presented) A computer system comprising:
a processor;
computer readable medium coupled to said processor; and

computer code, encoded in said computer readable medium, configured to cause said processor to:

- receive a first command at a virtual device interface, wherein the first command is received from a utility;
- convert the first command to a second command using the virtual device interface, wherein
- said first command is configured to control a first type of storage device,
- said second command is configured to control a second type of storage device,
- said first type of storage device is a secondary storage device,
- said second type of storage device is a primary storage device,
- said primary storage device comprises non-removable storage media and is configured to provide access to data stored on the non-removable storage media, and
- said secondary storage device comprises removable storage media and is configured to permit access to data stored on the removable storage media; and
- access said secondary storage device using the virtual device interface.

17. (Previously Presented) The computer system of claim 16, wherein said secondary storage device is a tape backup device, and said primary storage device is a hard drive.

18. (Previously Presented) The computer system of claim 17, further comprising:

- said virtual device interface, wherein
- said computer code is further configured to cause said processor to create a virtual loader, and
- said virtual device interface comprises said computer code configured to cause said processor to convert and said computer code configured to cause said processor to create.

19. (Original) The computer system of claim 18, wherein said computer code configured to cause said processor to create is further configured to cause said processor to:

create a directory on said hard drive.

20. (Original) The computer system of claim 19, wherein said computer code is further configured to cause said processor to:

store information on a virtual tape in said virtual loader, wherein

said computer code configured to cause said processor to store said
information is further configured to cause said processor to store
said information in a file in said directory, and
said file corresponds to said virtual tape.

21. (Previously Presented) The computer system of claim 18, wherein said secondary storage device is communicatively coupled to said virtual device interface.

22. (Previously Presented) A computer program product comprising:
a first set of instructions, executable on a computer system, configured to convert

a first command to a second command, wherein

said first command is received by a virtual device interface from a utility,
said first command is configured to control a first type of storage device,
said second command is configured to control a second type of storage
device,

said first type of storage device is a secondary storage device,

said second type of storage device is a primary storage device,

said primary storage device comprises non-removable storage media and
is configured to provide access to data stored on the non-
removable storage media,

said secondary storage device comprises removable storage media and is
configured to permit access to data stored on the removable storage
media, and

said virtual device interface comprises said first set of instructions;

a second set of instructions, executable on said computer system, configured to access said secondary storage device using said virtual device interface; and
computer readable media, wherein said computer program product is encoded in said computer readable media.

23. (Previously Presented) The computer program product of claim 22, wherein

said secondary storage device is a tape backup device, and
said primary storage device is a hard drive.

24. (Previously Presented) The computer program product of claim 23, further comprising:

a third set of instructions, executable on said computer system, configured to create a virtual loader, wherein
said virtual device interface comprises said first, said second, and said third set of instructions.

25. (Previously Presented) The computer program product of claim 24, wherein said third set of instructions comprises:

a first subset of instructions, executable on said computer system, configured to create a directory on said hard drive.

26. (Previously Presented) The computer program product of claim 25, further comprising:

a fourth set of instructions, executable on said computer system, configured to store information on a virtual tape in said virtual loader, wherein
said fourth set of instructions comprises a second subset of instructions, executable on said computer system, configured to cause said processor to store said information in a file in said directory, and
said file corresponds to said virtual tape.

27. (Previously Presented) The computer program product of claim 26, wherein said secondary storage device is communicatively coupled to said virtual device interface.

28. (Previously Presented) An apparatus comprising:
means for converting a first command to a second command, wherein
said first command is received by a virtual device interface from a utility,
said first command is configured to control a first type of storage device,
said second command is configured to control a second type of storage device,
said first type of storage device is a secondary storage device,
said second type of storage device is a primary storage device,
said primary storage device comprises non-removable storage media and a
means to provide access to data stored on the non-removable storage media,
said secondary storage device comprises removable storage media and a
means to permit access to data stored on the removable storage media, and
said virtual device interface comprises said means for converting; and
means for accessing said secondary storage device using the virtual device interface.

29. (Previously Presented) The apparatus of claim 28, wherein
said secondary storage device is a tape backup device, and
said primary storage device is a hard drive.

30. (Previously Presented) The apparatus of claim 29, further comprising:
means for creating a virtual loader, wherein
said virtual device interface comprises said means for converting, said
means for accessing, and said means for creating.

31. (Original) The apparatus of claim 30, wherein said means for creating comprises:

means for creating a directory on said hard drive.

32. (Original) The apparatus of claim 31, further comprising:
means for storing information on a virtual tape in said virtual loader, wherein
said means for storing stores information in a file in said directory, and
said file corresponds to said virtual tape.

33. (Previously Presented) The apparatus of claim 30, wherein said secondary
storage device is communicatively coupled to said virtual device interface.